

Specification Amendments

Please amend the fourth paragraph on page 6, lines 19-22, as follows:

- - The device can additionally be modified by adding an antenna 54 at the free end of the main delay line, at point 55, shown in Figure 3. Due to capacitive coupling between the antenna and the quarter-wave trap, this system is better able to radiate lower frequencies. This is because the outer shields of the transmission lines 26 and 28 shown in Figure 3 are charged during oscillation. In respect to the quarter-wave trap, the shields form the open-ended line of impedance Z_0 , which modifies the value of oscillations. The net effect can be accounted by replacing number 2 with number 4 in Equation 1 providing that Z_0 is comparable to Z_D , and that both Z_0 and Z_D are of high value (close to the impedance of free space of 377Ω). The extra antenna also boosts the total emitted power by an order of magnitude. - -